

Amendments to the Claims

In the Claims:

1. Canceled.
2. Canceled.
3. (currently amended) The apparatus of claim 7 further comprising a second holographic projector configured to project a second series of holograms into the gaseous medium to function with the first series of at least one holograms.
4. Canceled.
5. Canceled.
6. Canceled.
7. (currently amended) An apparatus to deposit a three-dimensional structure comprising:
a holographic projector comprising a laser source supplying a laser beam directed via optics to a phase spatial light modulator to project a series of holograms; and
a processing chamber, wherein the processing chamber further comprises:
a window, wherein the window is transparent to the holograms;
a plane on which the holograms are imaged;
an inlet to receive gas precursors from a gaseous delivery system, wherein the gas precursors comprise varying gas components, and wherein the hologram imparts energy to dissociate the gas precursors causing dissociated gas precursors to deposit in the plane in a pattern corresponding to the hologram;
a laser light source to generate coherent collimated electromagnetic energy;

a computer driven phase plate placed in a path of the coherent collimated electromagnetic energy to the hologram operable to generate holograms at varying wave lengths directed into the processing chamber to deposit multiple definition compounds in the plane; and
an outlet to exhaust effluent from the processing chamber.

8. Cancelled.

9. Cancelled.

10. (currently amended) The apparatus of Claim 7 4, wherein the energy to dissociate gas precursors corresponds to a wavelength of electromagnetic energy used to project the series of at least one holograms.

11. (currently amended) The apparatus of Claim 7 4, wherein the energy to dissociate gas precursors corresponds to absorption bands of the gas precursors.

12. (currently amended) The apparatus of Claim 7 4, wherein the gaseous medium pressure within the processing chamber is maintained at about 100 pounds per square inch.

13. (currently amended) The apparatus of Claim 7 4, wherein an intensity of the series of at least one holograms is manipulated to manipulate a deposition rate of the dissociated gas precursors.

14. Canceled.

15. (currently amended) The apparatus of Claim 7 4, wherein the series of at least one holograms are projected onto a stage within the processing chamber.

16. (previously presented) The apparatus of Claim 15, wherein the stage is thermally biased.

17. Cancelled.

18. Cancelled.

19. Cancelled.

20. Cancelled.

21. Cancelled.

22. Cancelled.

23. Cancelled.

24. Cancelled.

25. Cancelled.

26. Cancelled.